

wireless mobile clients, such luminescent pattern representations may also be pre-provided with the wireless mobile clients, or retrieved from a storage medium attached to or integrated with a wireless mobile client. In one embodiment, an interchangeable covering of e.g. a wireless mobile phone ("active skin") may be used to provide such 5 luminescent pattern representations. In other embodiments, other devices that the wireless mobile clients are capable of communicating with may provide the luminescent representations, or the representations may be entirely generated within the wireless mobile clients.

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Having now described the present invention from a function view, in particular, the various relevant operational flows, we turn now to describe various exemplary embodiments for disposing and configuring the various elements for practicing the luminescent visualizations of the present invention. **Figures 7A-7B** illustrate an external view of a wireless mobile phone **200a**, incorporated with the visualization teachings of the present invention, in accordance with one embodiment. More specifically, **Figure 7A** illustrates a side view of wireless mobile phone **200a**, whereas **Figure 7B** illustrates a front view of wireless mobile phone **200a**.

For the illustrated embodiment, as alluded to earlier, wireless mobile phone **200a** includes antenna **720**, speaker **722**, visual display **724**, input key pad **726** having input 20 keys **728**, microphone **730**, and so forth. More importantly, wireless mobile phone **200a** includes LEDs **714a** disposed on a side exterior surface of the body of wireless mobile phone **200a**. In alternate embodiments, LEDs **714a** may be disposed on or in other exterior surfaces of the body of the wireless mobile phone **200a** instead. These other

exterior surfaces may include the top or bottom exterior surface, and the front or back exterior surface. Note that by virtue of the manner content is displayed in visual display **724**, the exterior surfaces corresponding to the top, bottom, side, front and bottom surface are definitively defined.

- 5 For the illustrated embodiment, LEDs **714a** are disposed on the side exterior surface in a substantially columnar manner, along imaginary longitudinal axis **711**. In alternate embodiments, LEDs **714a** may be arranged in other configurations, e.g. in multiples of even or uneven rows and/or columns. In one embodiment, LEDs **714a** are single colored LEDs of the same color. In alternate embodiments, they are single colored LEDs of different colors. In various embodiments, every three single colored LEDs of different colors (e.g. one Red, one Green, and one Blue) are grouped, functionally forming multiple 3-LED groups to facilitate manifestation of other non-basic colors, such as orange, yellow and so forth. In yet other embodiments, at least some of LEDs **714a** are multi-colored LEDs. A multi-colored LED is a LED that is capable of emitting light in a selected subset of one or more of a plurality of colors.

- 10 **Figures 8A-8B** illustrate an exposed view of wireless mobile phone **200b**, in accordance with an alternate embodiment. More specifically, **Figure 8A** illustrates an exposed front view of wireless mobile phone **200b** with its front cover **821** removed, whereas **Figure 8B** illustrates an exposed interior (or backside) view of front cover **821**.

- 15 20 Front cover **821** is also referred to as an interchangeable face plate.

Similar to the embodiments of **Figures 7A-7B**, wireless mobile phone **200b** includes speaker **822**, visual display **824**, input keys **828**, microphone **830**, and so forth. In one implementation, wireless mobile phone **200b** further includes a radio (not

shown). Correspondingly, front cover (face plate) **821** has “opening” **823** for speaker **822**, “opening” **825** for visual display **824**, “opening” **827** for input keys **828**, “opening” **829** for microphone **830**, and so forth.

More importantly, wireless mobile phone **200b** includes LEDs **714b** disposed on 5 the interior front surface of wireless mobile phone **200b**, near or around input keys **828**. With front cover (face plate) **821** in place, LEDs **714b** appear to be integrally disposed with input keys **828**. In other words, for the illustrated embodiment, LEDs **714b** are disposed and configured as an array of light sources. Similar to the embodiment of Figures 7A-7B, LEDs **714b** may be single colored LEDs of the same or different color. Every three different color single colored LED, such as one Red, one Green and one Blue, may be grouped to form groups of LEDs as earlier described. In alternate embodiments, at least some of LEDs **714b** may be multi-colored LEDs.

As will be described in more detail below, front cover (face plate) **821** may be an “active” front cover/face plate having an electronic component wherein all or portions of 15 the visualization teachings of the present invention are implemented. In particular, in various embodiments, “active” front cover (face plate) **821** is an “active” covering “skin” covering all or a portion of the body of wireless mobile phone **200b**. For these embodiments, instead of being disposed and configured on the interior front surface of wireless mobile phone **200b**, LEDs **714b** may be disposed on the exterior surface of the 20 “active” interchangeable front cover (face plate) or covering “skin” instead as described e.g. in U.S. provisional patent application no. 60/306,326.